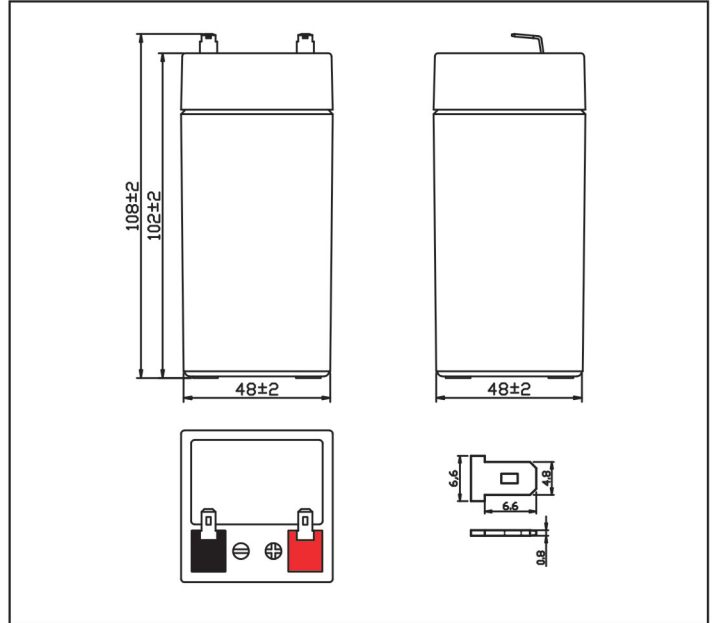


MODEL: CB445-F1 4V4.5AH



Plane Chart:

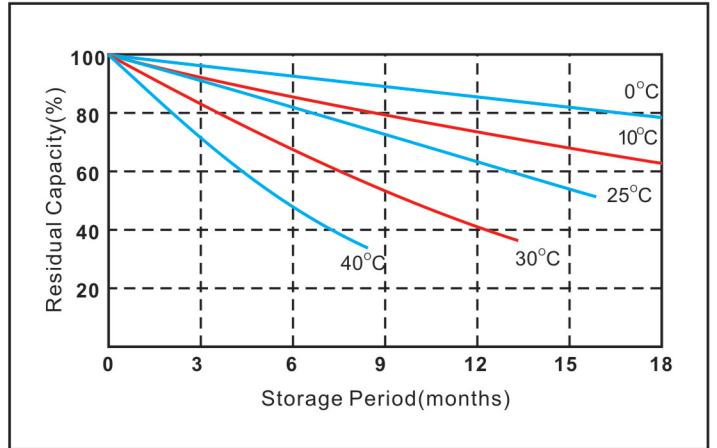
Unit:(mm) Terminal type:(F1)



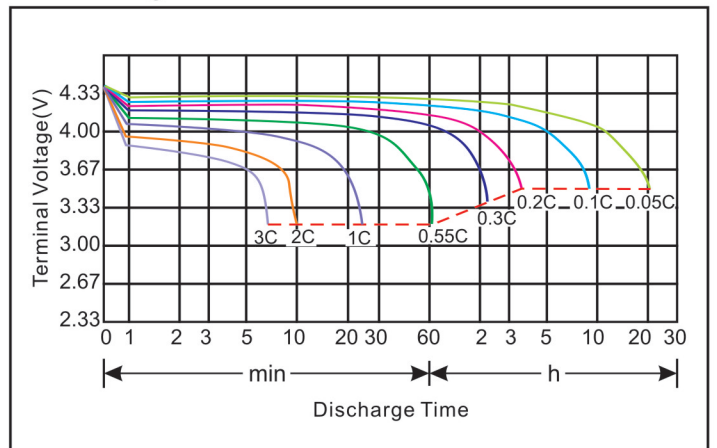
Parameter Chart:

Volts		4V	
Capacity(25°C)	20 hours rate (0.225A)	4.5Ah	
Discharge Current Testing (25°C)	20 I ₂₀ rate (4.5A)	27min	
	60 I ₂₀ rate (13.5A)	7min	
Internal Resistance	Full Charged Battery 25°C	14mΩ	
Capacity Affected By Temperature	40°C	104%	
	25°C	100%	
	0°C	83%	
	-15°C	65%	
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%	
	Capacity After 6 Months Storage	82%	
	Capacity After 12 Months Storage	65%	
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 1.2A Voltage 4.82~4.96V	
	Float (25°C)	Charge Voltage 4.52~4.60V	
Weight±3%		0.47Kg	

Residual Capacity



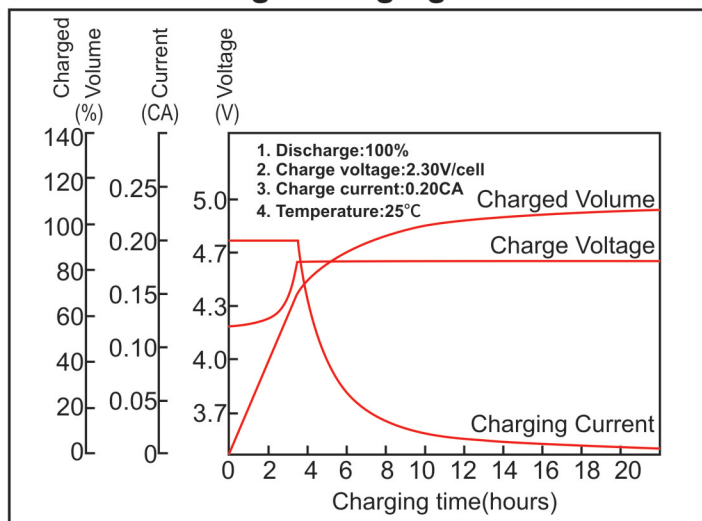
Discharge Current 25°C



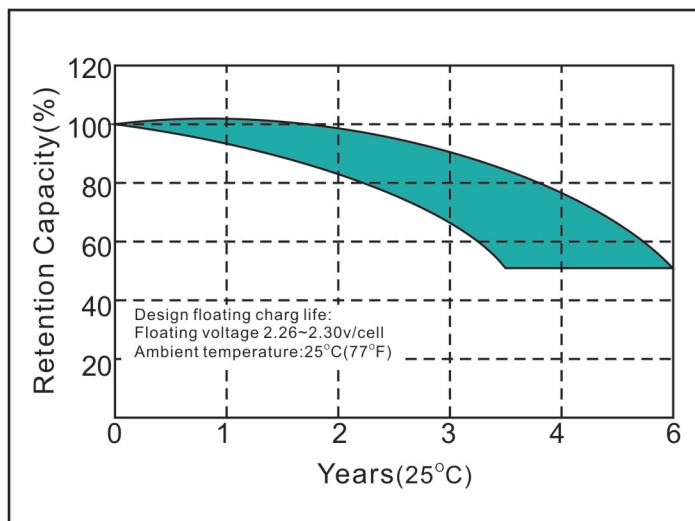
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

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Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
3.20V	14.1	8.7	7.20	6.00	4.30	2.59	1.51	1.15	0.93	0.773	0.526	0.438	0.230
3.34V	13.3	8.4	7.10	5.83	4.17	2.51	1.47	1.13	0.92	0.763	0.516	0.430	0.228
3.40V	12.9	8.3	7.02	5.72	4.10	2.46	1.45	1.12	0.91	0.753	0.506	0.426	0.227
3.50V	12.1	8.1	6.90	5.55	4.00	2.40	1.41	1.10	0.9	0.743	0.496	0.420	0.225
3.60V	11.1	7.8	6.75	5.42	3.92	2.38	1.38	1.08	0.89	0.733	0.486	0.415	0.220

Constant Current Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
3.20V	49.4	31.3	26.1	22.3	16.3	9.93	5.86	4.50	3.65	3.04	2.08	1.74	0.92
3.34V	47.0	30.4	25.8	21.7	15.8	9.62	5.71	4.43	3.62	3.00	2.04	1.71	0.91
3.40V	46.2	30.2	25.6	21.3	15.6	9.43	5.63	4.39	3.58	2.96	2.00	1.69	0.90
3.50V	43.8	29.6	25.3	20.6	15.2	9.20	5.48	4.31	3.54	2.92	1.96	1.67	0.90
3.60V	40.7	28.7	25.0	20.1	14.9	9.12	5.36	4.23	3.50	2.88	1.92	1.65	0.88

Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	4V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.